CLAIMS

1. A digital signal processing apparatus, comprising:

a plurality of digital signal processing blocks and a host arithmetic operation processing block as functions necessary for processing a digital signal;

a bus for connecting said host arithmetic operation processing block and said plurality of digital signal processing blocks; and

an interface for an extension function providing medium connected to said bus,

wherein the extension function providing medium has:

means for accomplishing an extension function; and

a script embedding a command for operating the extension function, and

wherein when the extension function providing medium is attached to said bus through said interface, the script is sent to said host arithmetic operation processing block side and a function of the extension function providing medium is operated corresponding to the command embedded in the script.

2. The digital signal processing apparatus as set forth in claim 1,

wherein each of said plurality of digital signal processing blocks includes means for

interpreting a command received through said bus and executing the command.

3. The digital signal processing apparatus as set forth in claim 1,

wherein the command is a high layer command that does not depend on hardware and that is not on real time basis.

4. The digital signal processing apparatus as set forth in claim 1,

wherein the command is described and embedded in a script of hypertext,

wherein the hypertext is interpreted by a browser and a picture for operating the extension function is displayed, and

wherein a command corresponding to the function is embedded and displayed in the picture for operating the extension function.

5. A digital signal processing system, comprising:

a digital signal processing apparatus having:

a plurality of digital signal processing blocks and a host arithmetic operation processing block as functions necessary for processing a digital signal,

a bus for connecting said host arithmetic operation processing block and said plurality of digital signal processing blocks, and

an interface for an extension function

providing medium connected to said bus; and

an extension function providing medium attached to said interface of the extension function providing medium on the digital signal processing side,

wherein said extension function providing medium has:

means for accomplishing an extension function; and

a script embedding a command for operating the extension function, and

wherein when said extension function providing medium is attached to said bus through said interface, the script is sent to said host arithmetic operation processing block side and a function of said extension function providing medium is operated corresponding to the command embedded in the script.

6. The digital signal processing system as set forth in claim 5,

wherein each of said plurality of digital signal processing blocks includes means for interpreting a command received through said bus and executing the command.

7. The digital signal processing system as set forth in claim 5,

wherein the command is a high layer command that does not depend on hardware and that is not on real time basis.

8. The digital signal processing system as set forth in claim 5,

wherein the command is described and embedded in a script of hypertext,

wherein the hypertext is interpreted by a browser and a picture for operating the extension function is displayed, and

wherein a command corresponding to the function is embedded and displayed in the picture for operating the extension function.

9. An extension function providing method, comprising the steps of:

structuring functions necessary for processing a digital signal as a plurality of digital signal processing blocks and a host arithmetic operation processing block;

connecting the host arithmetic operation processing block and the plurality of digital signal processing blocks through a bus; and

providing an interface for an extension function providing medium connected to the bus,

wherein the extension function providing medium has:

means for accomplishing an extension function; and

a script embedding a command for operating the extension function, and

wherein when the extension function providing medium is attached to the bus through the interface, the script is sent to the host arithmetic operation processing block side and a function of the extension function providing medium is operated corresponding to the command embedded in the script.

10. The extension function providing method as set forth in claim 9,

wherein each of the plurality of digital signal processing blocks includes means includes a step for interpreting a command received through the bus and executing the command.

11. The extension function providing method as set forth in claim 9,

wherein the command is a high layer command that does not depend on hardware and that is not on real time basis.

12. The extension function providing method as set forth in claim 9,

wherein the command is described and embedded in a script of hypertext,

wherein the hypertext is interpreted by a browser and a picture for operating the extension function is displayed, and

wherein a command corresponding to the function is embedded and displayed in the picture for operating the extension function.